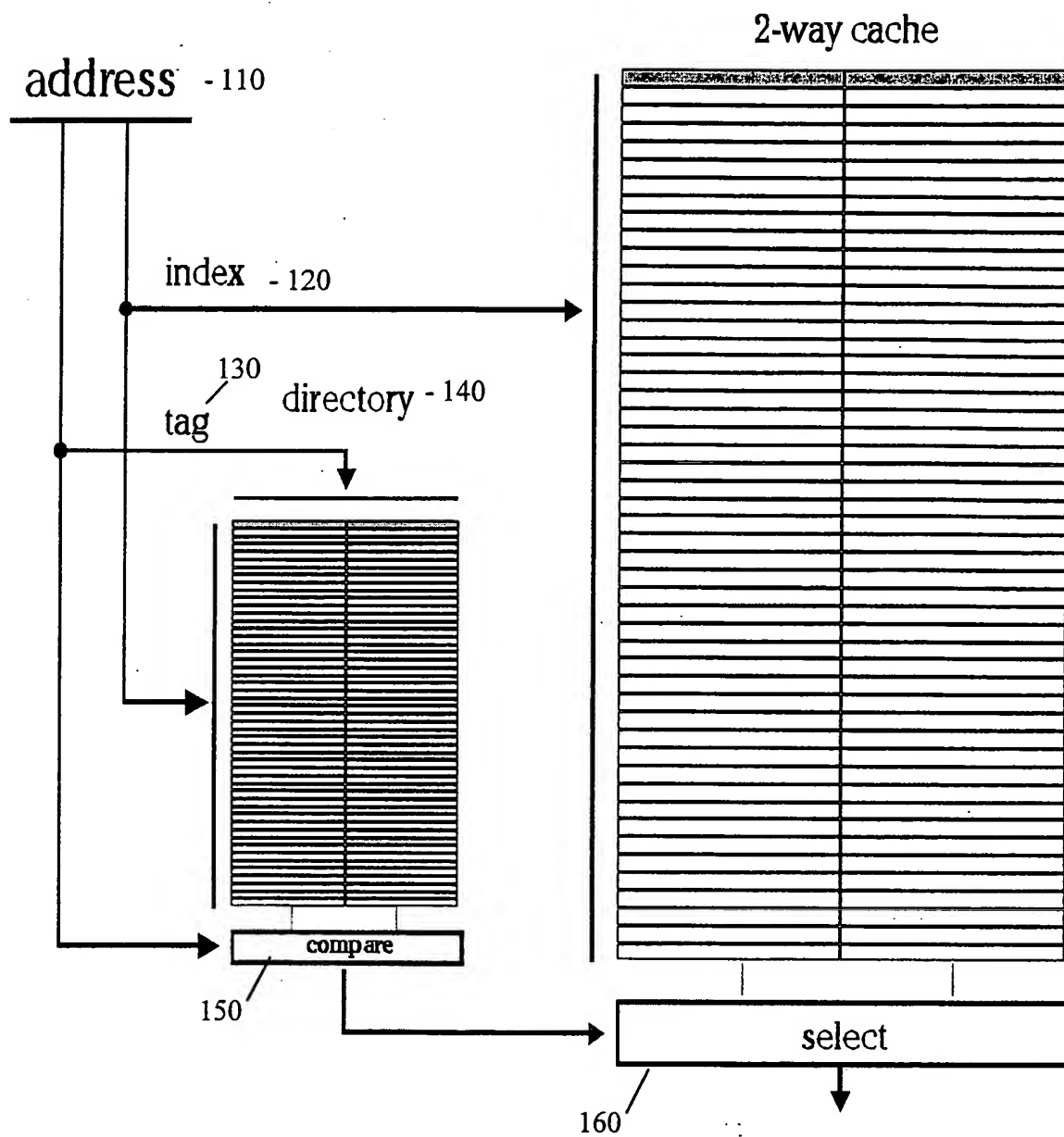


# Two-way Set Associative Cache - 100



**FIG. 1**  
**PRIOR ART**

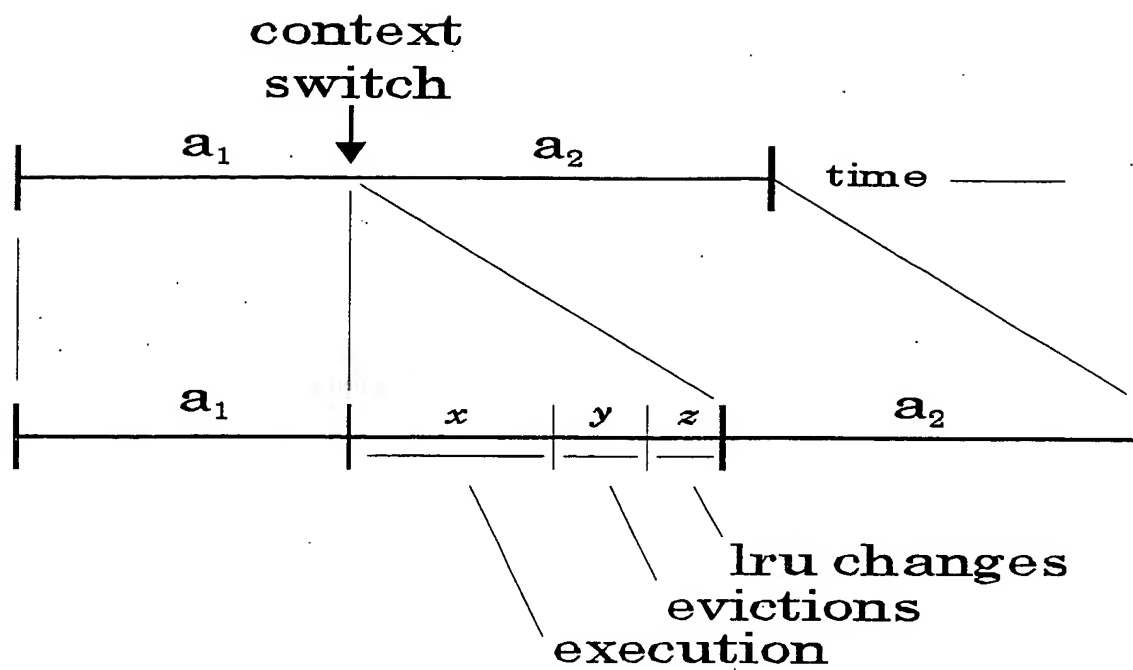


FIG. 2

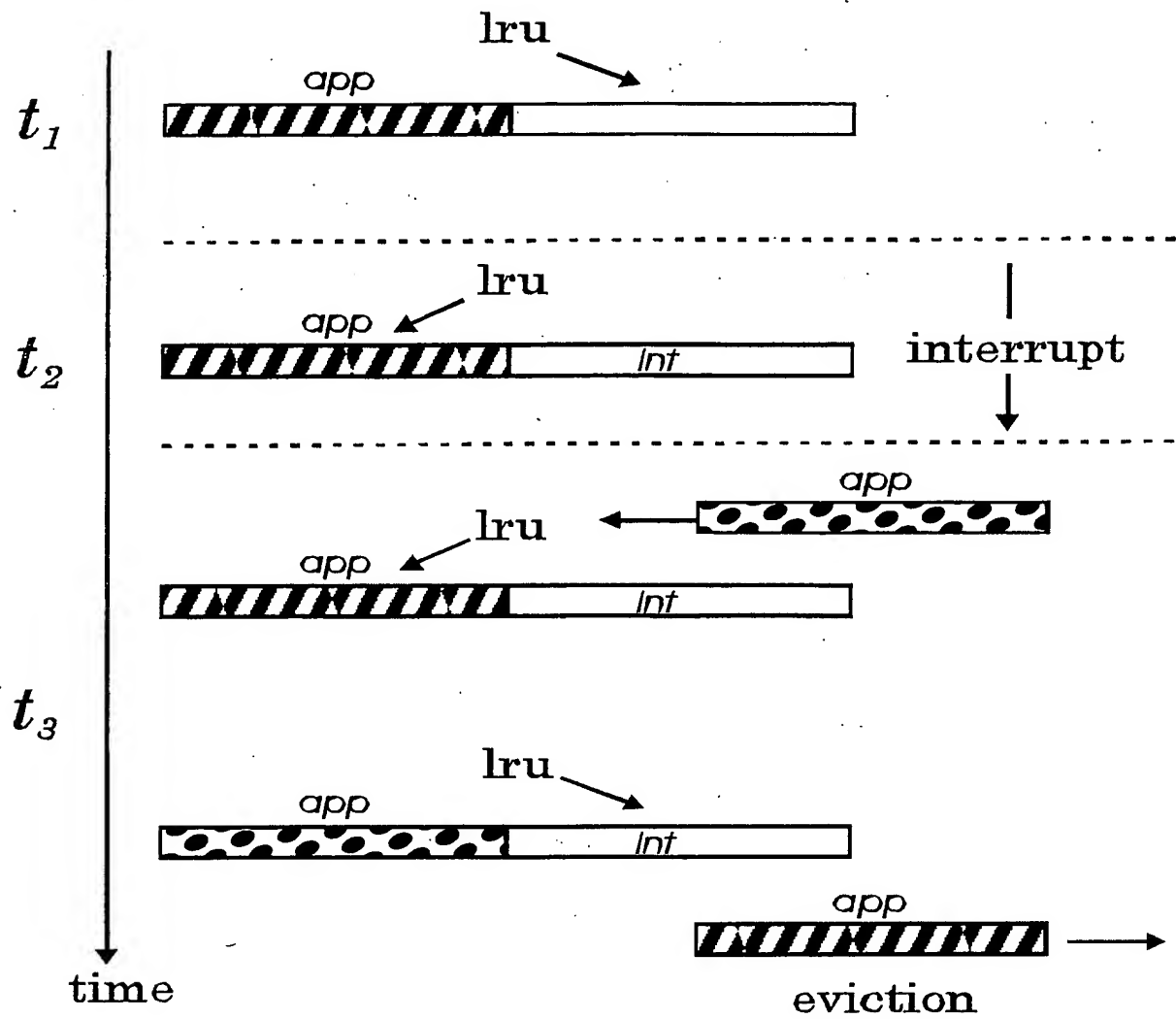
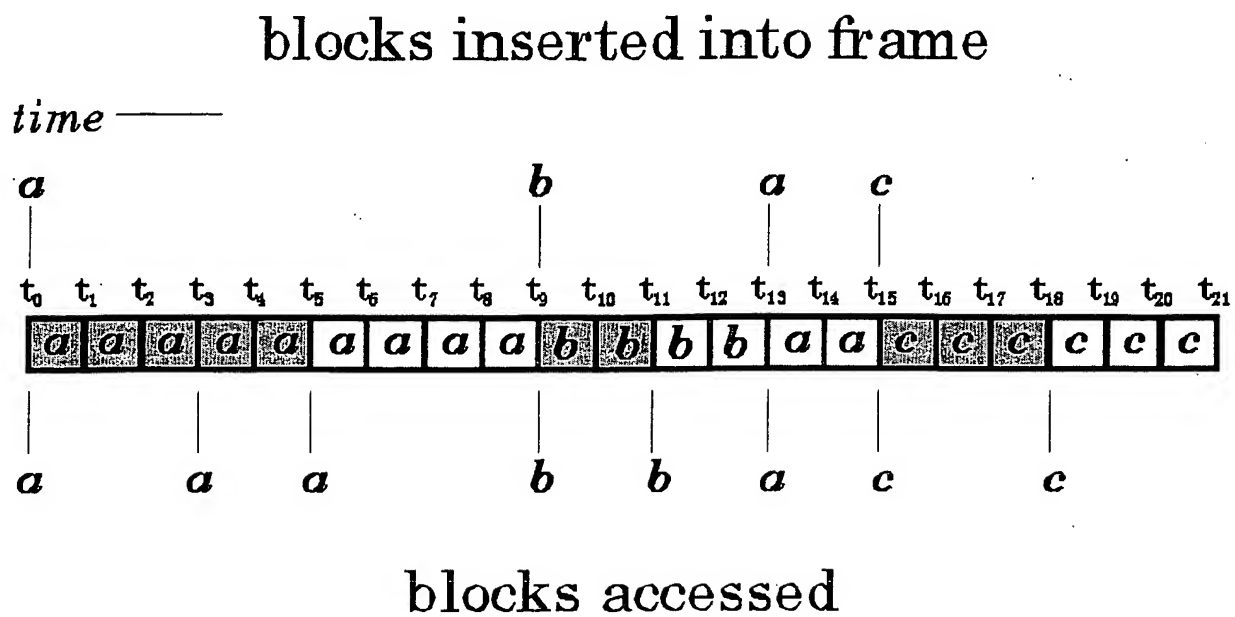
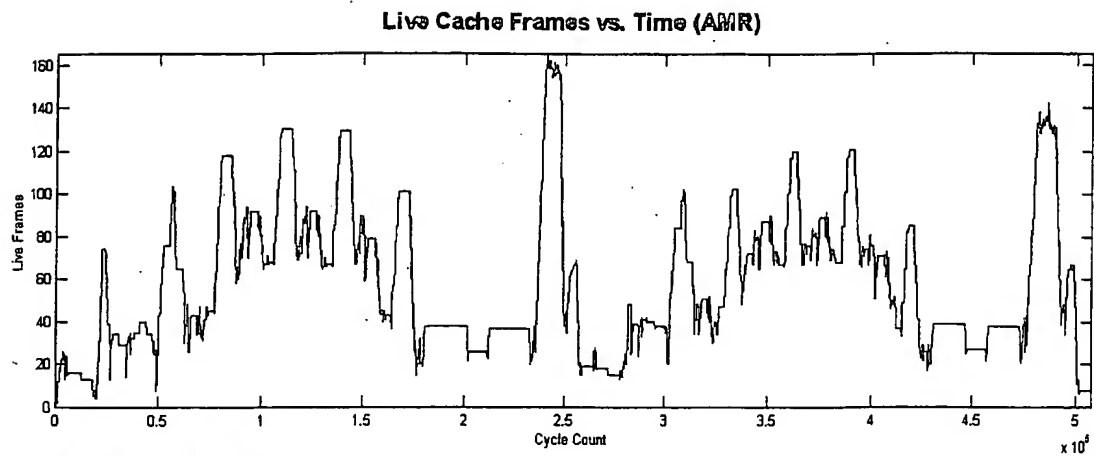


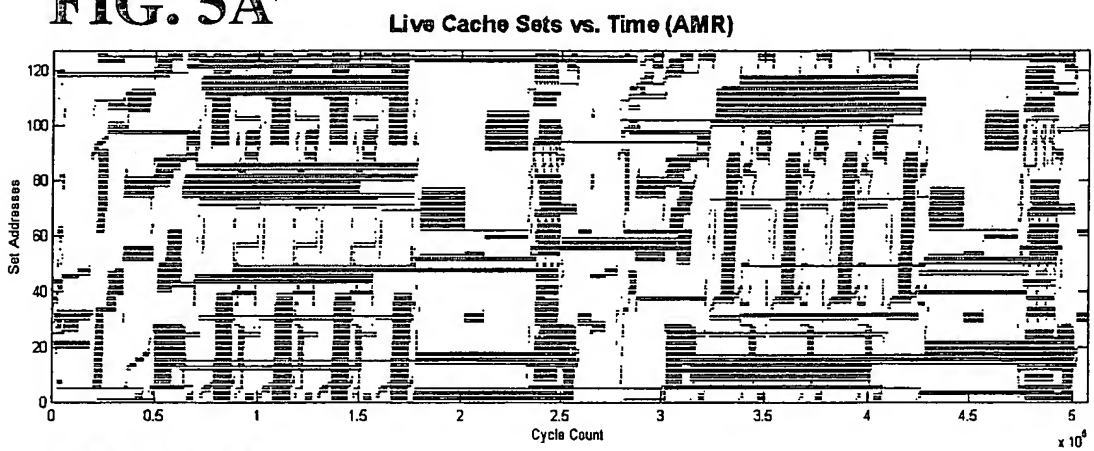
FIG. 3



**FIG. 4**



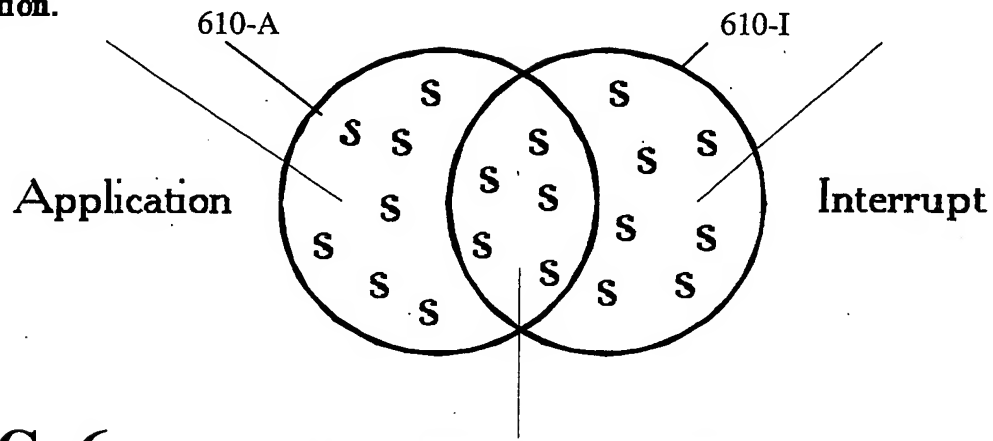
**FIG. 5A**



**FIG. 5B**

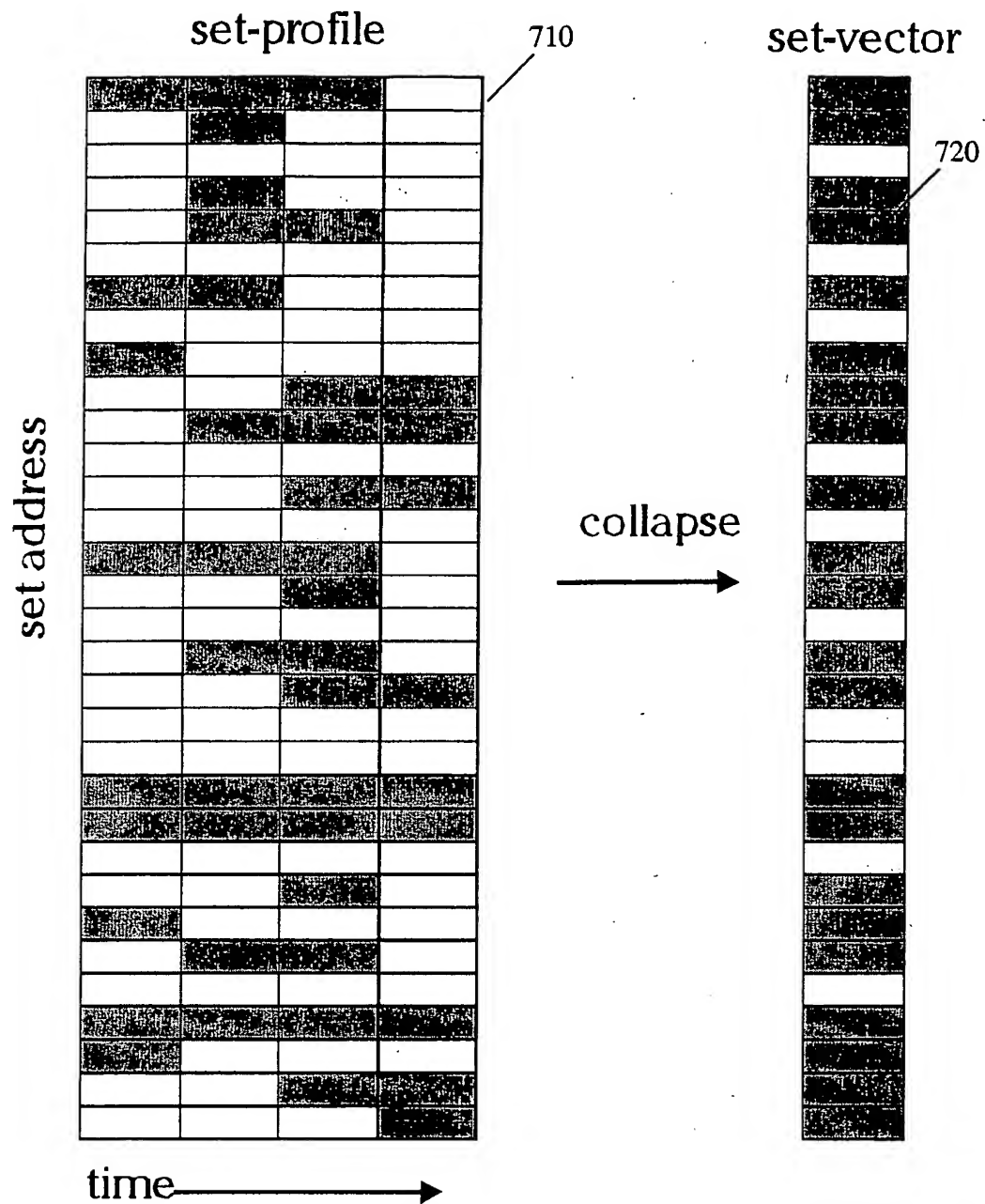
Sets containing a live frame at any time during an application's execution.

Sets occupied by an interrupt at any time during its execution.

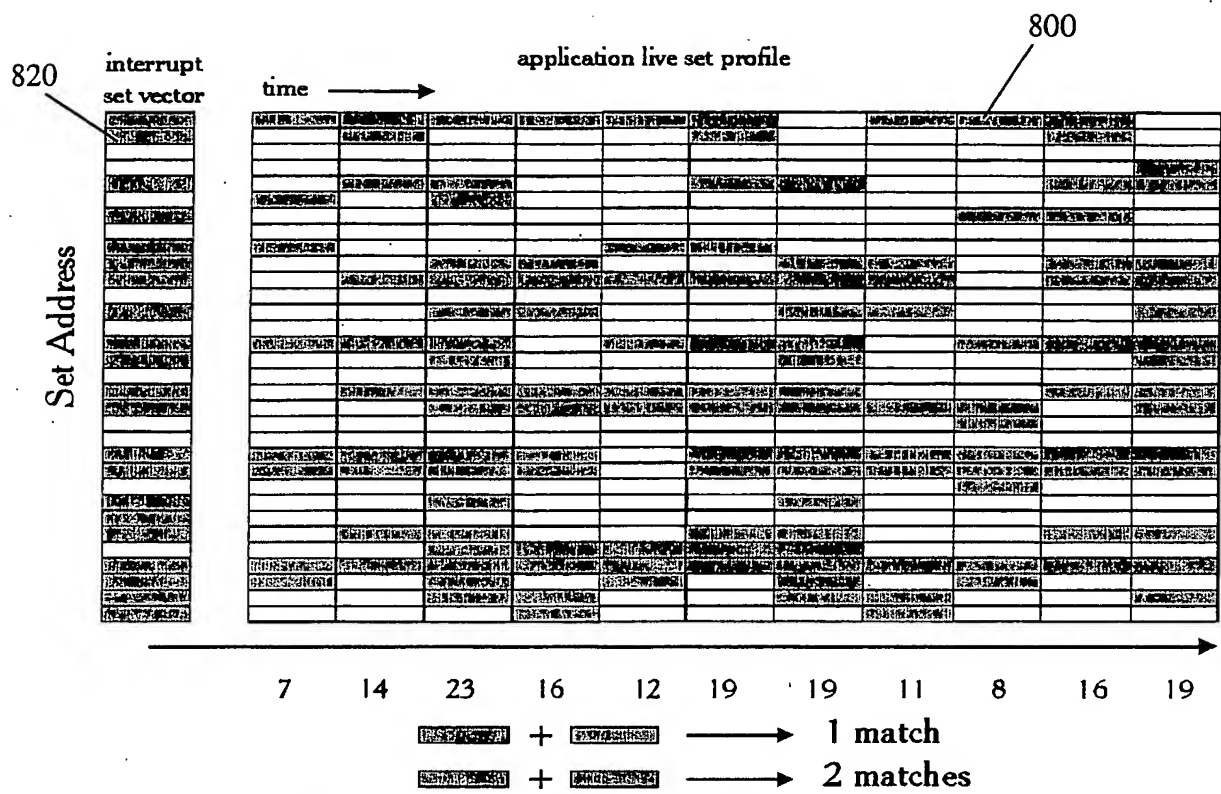


**FIG. 6**

Sets in the intersection may experience the eviction of a block from a live frame.



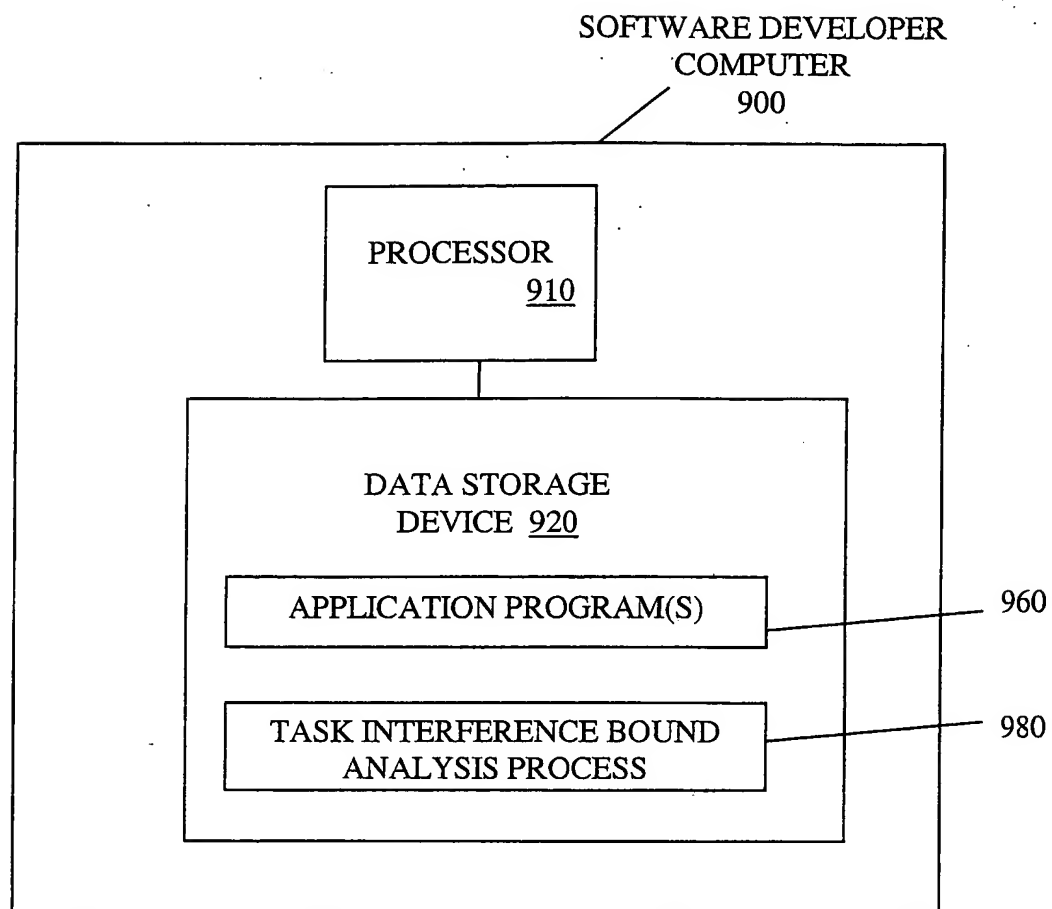
**FIG. 7**



Sweep the vector across the profile to find the maximum number of matches.

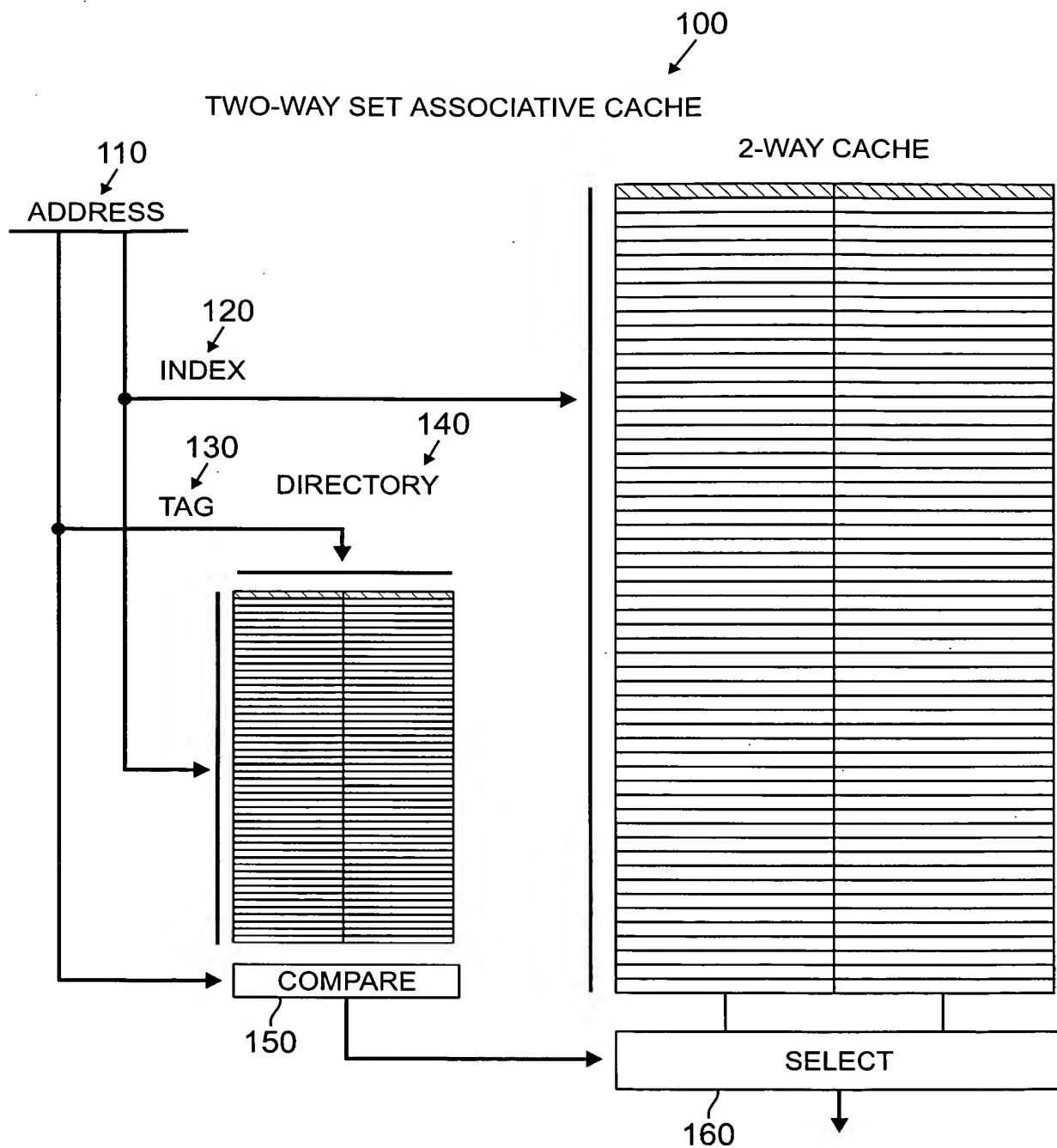
FIG. 8





**FIG. 9**

1/9



**FIG. 1**  
(PRIOR ART)

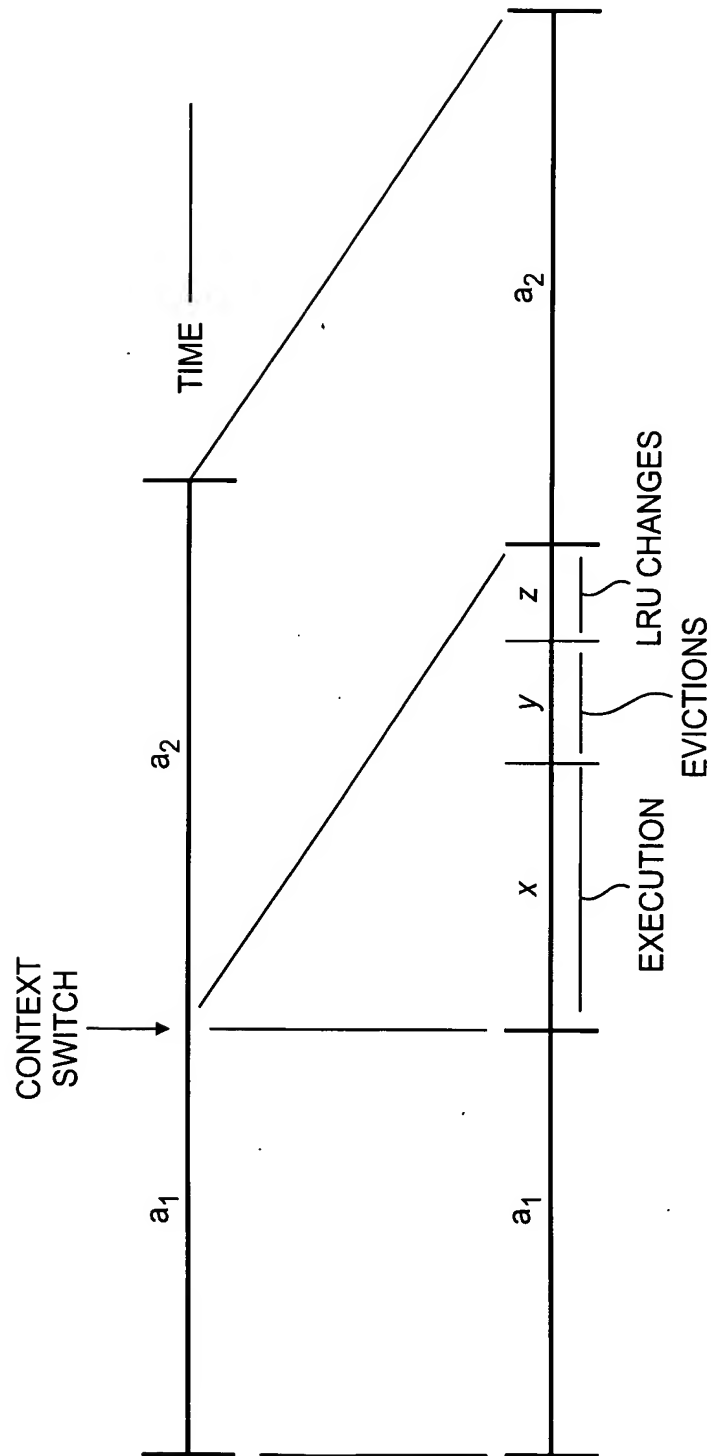
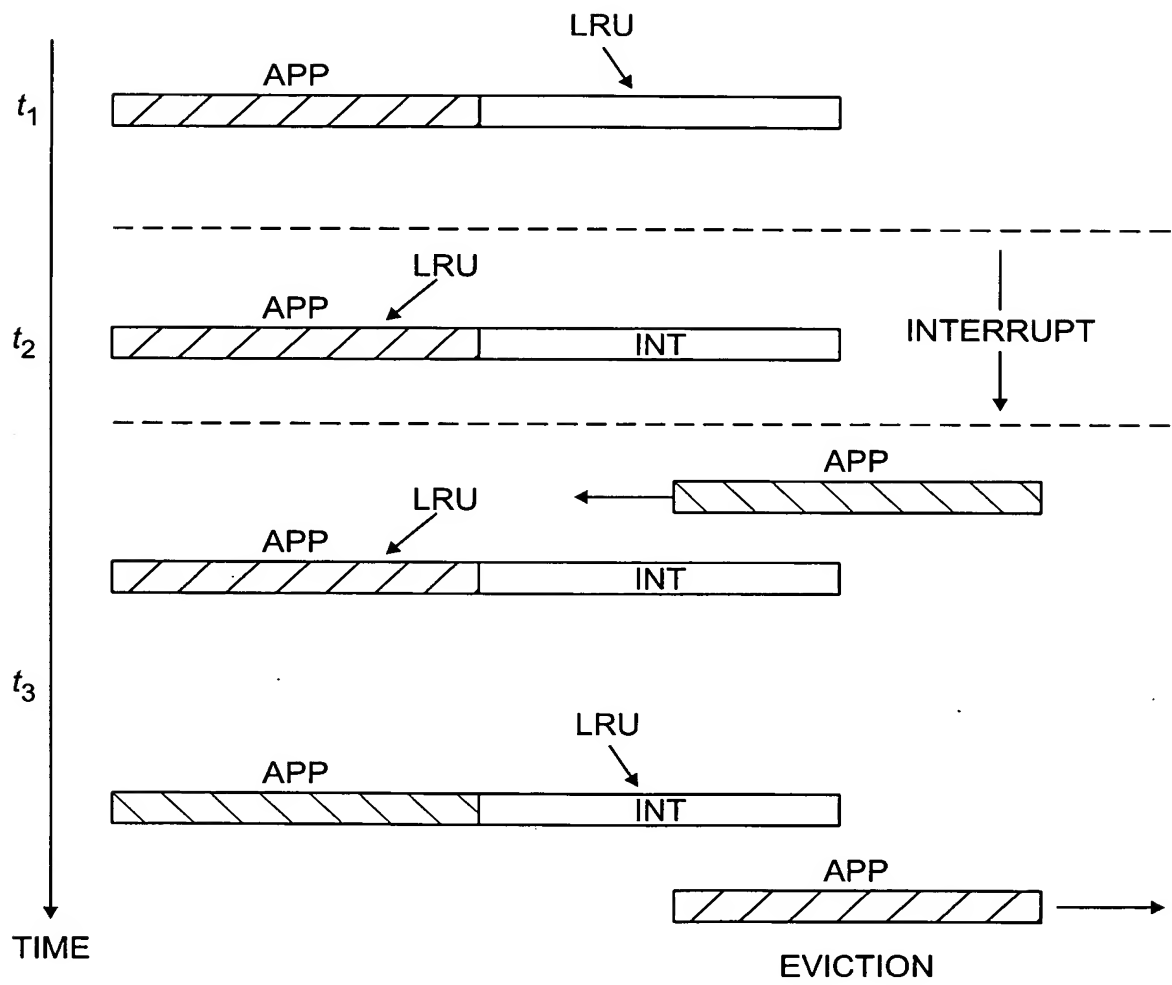


FIG. 2

**FIG. 3**

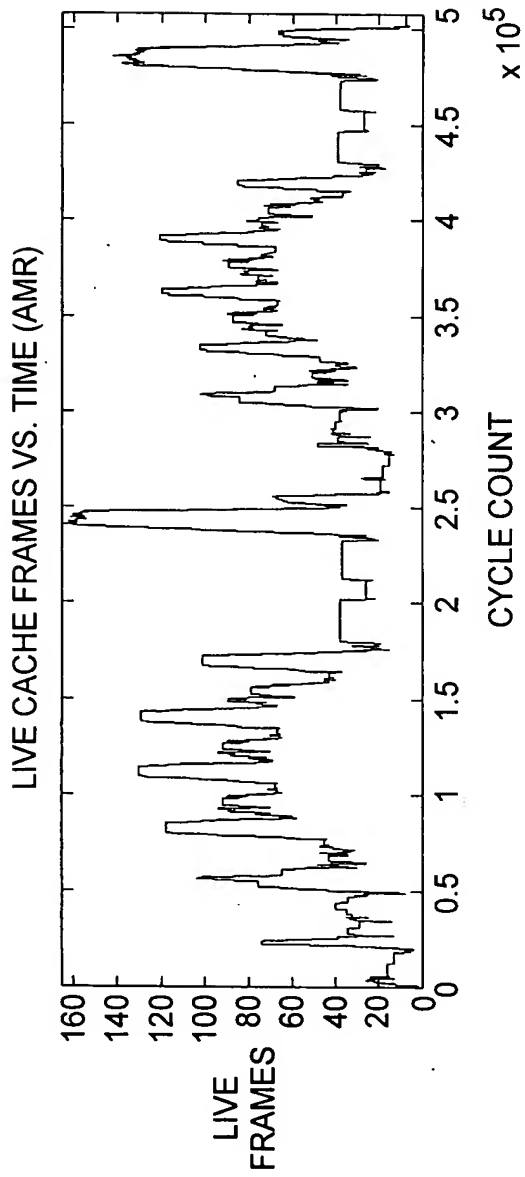


FIG. 5A

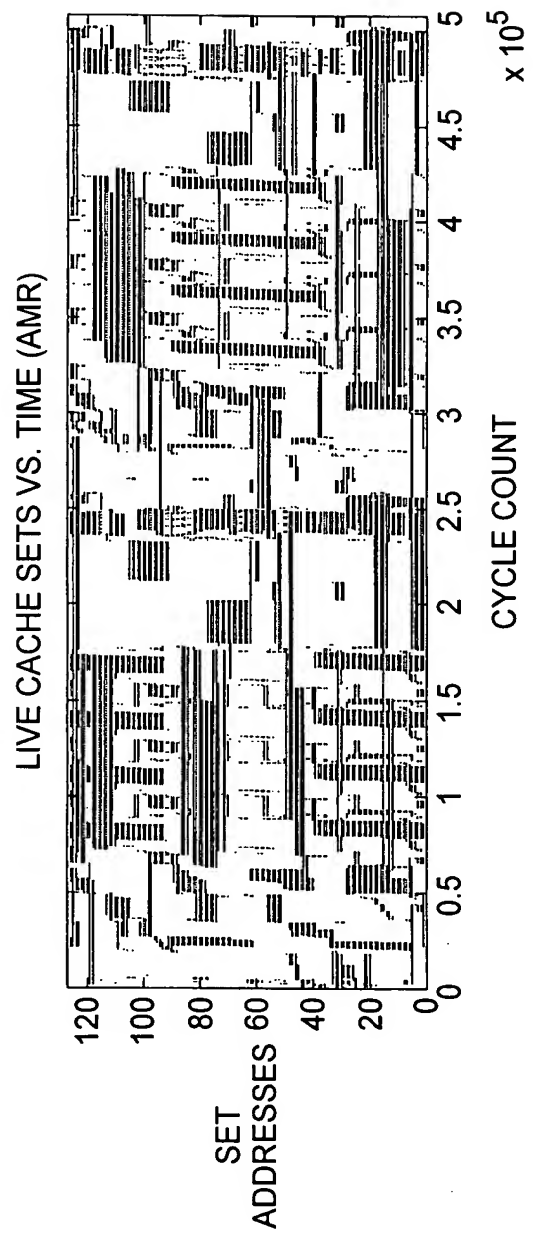


FIG. 5B

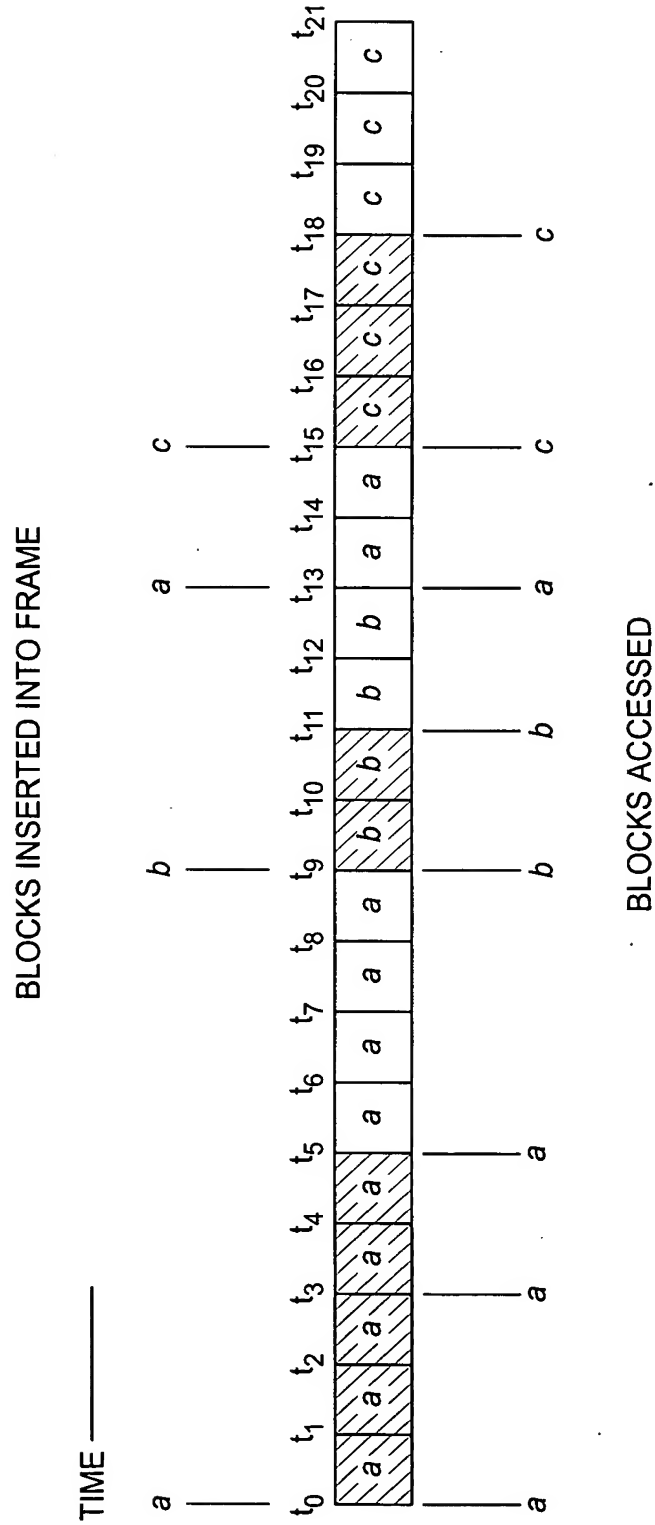
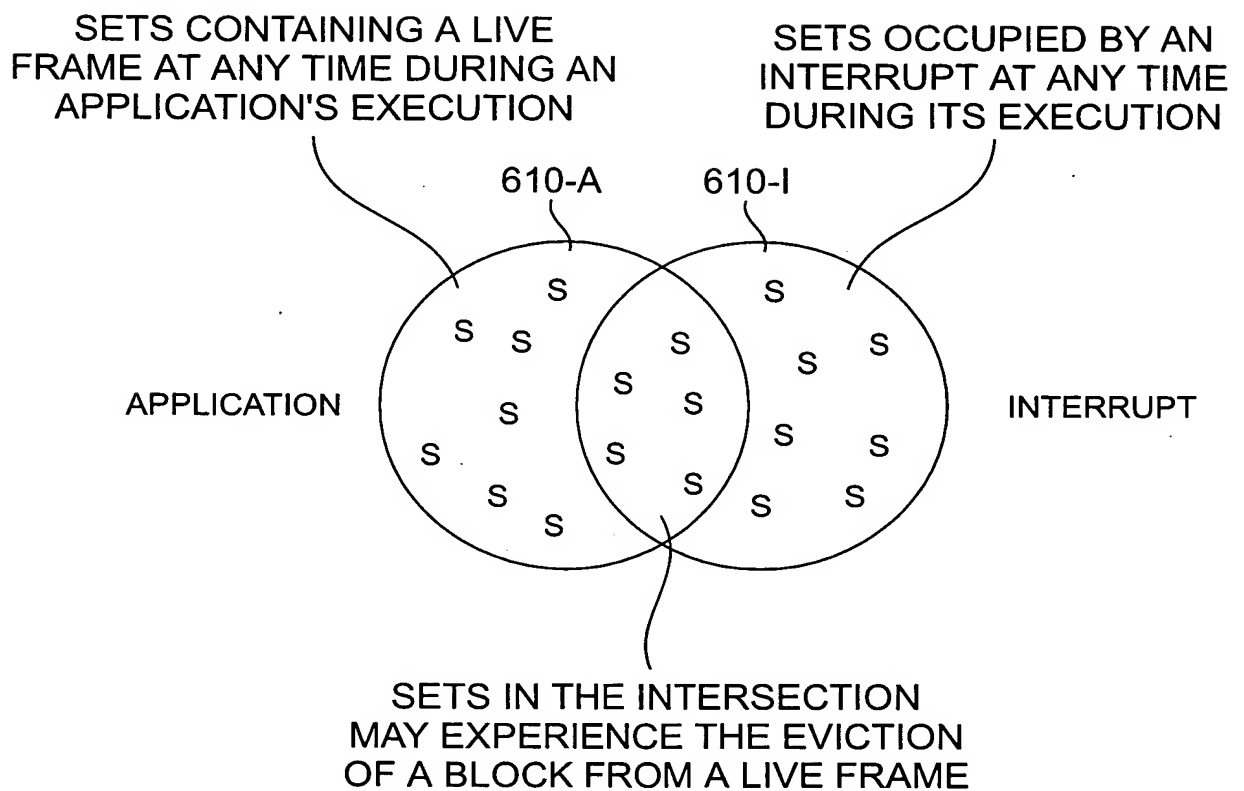


FIG. 4

**FIG. 6**

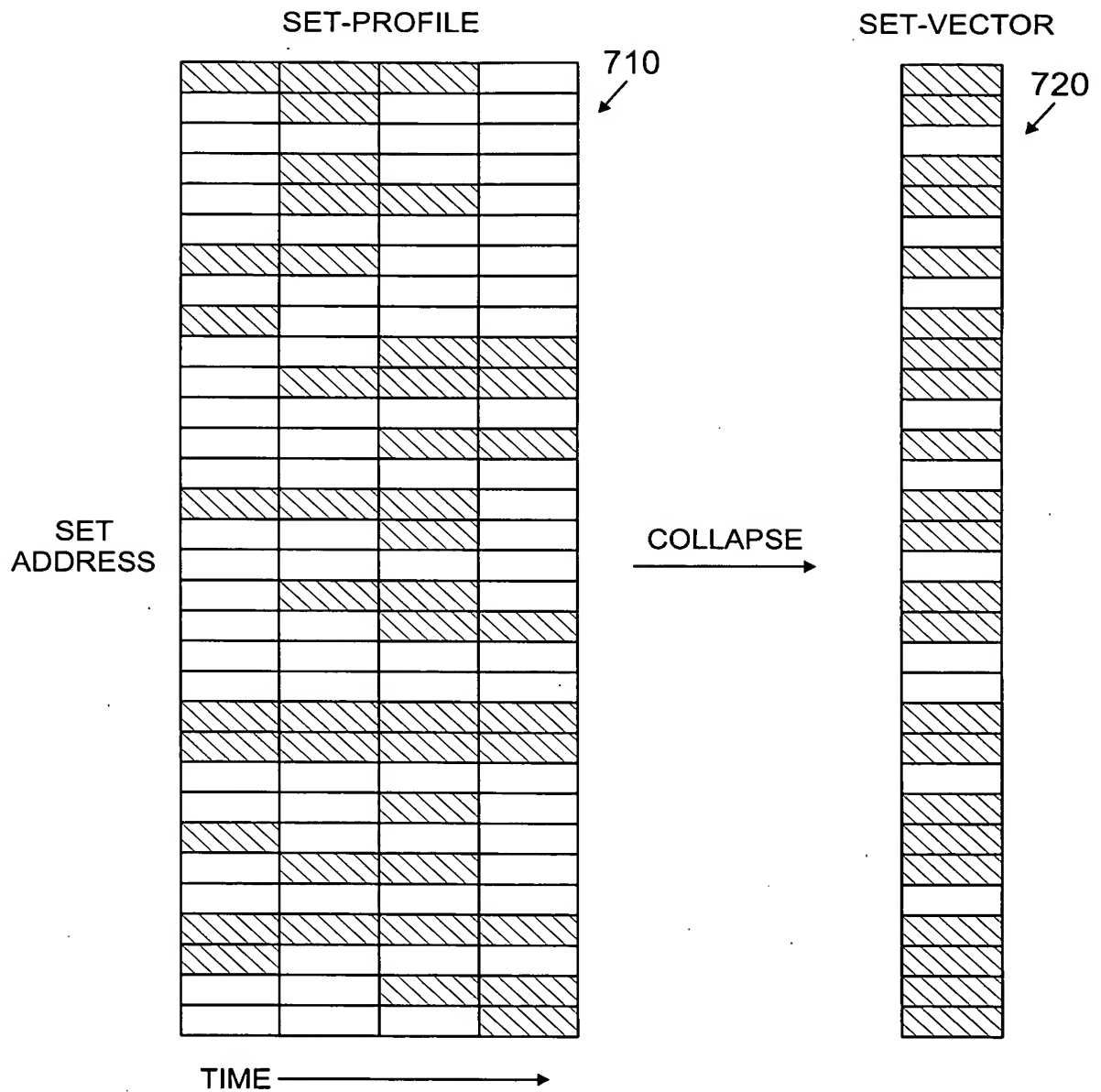
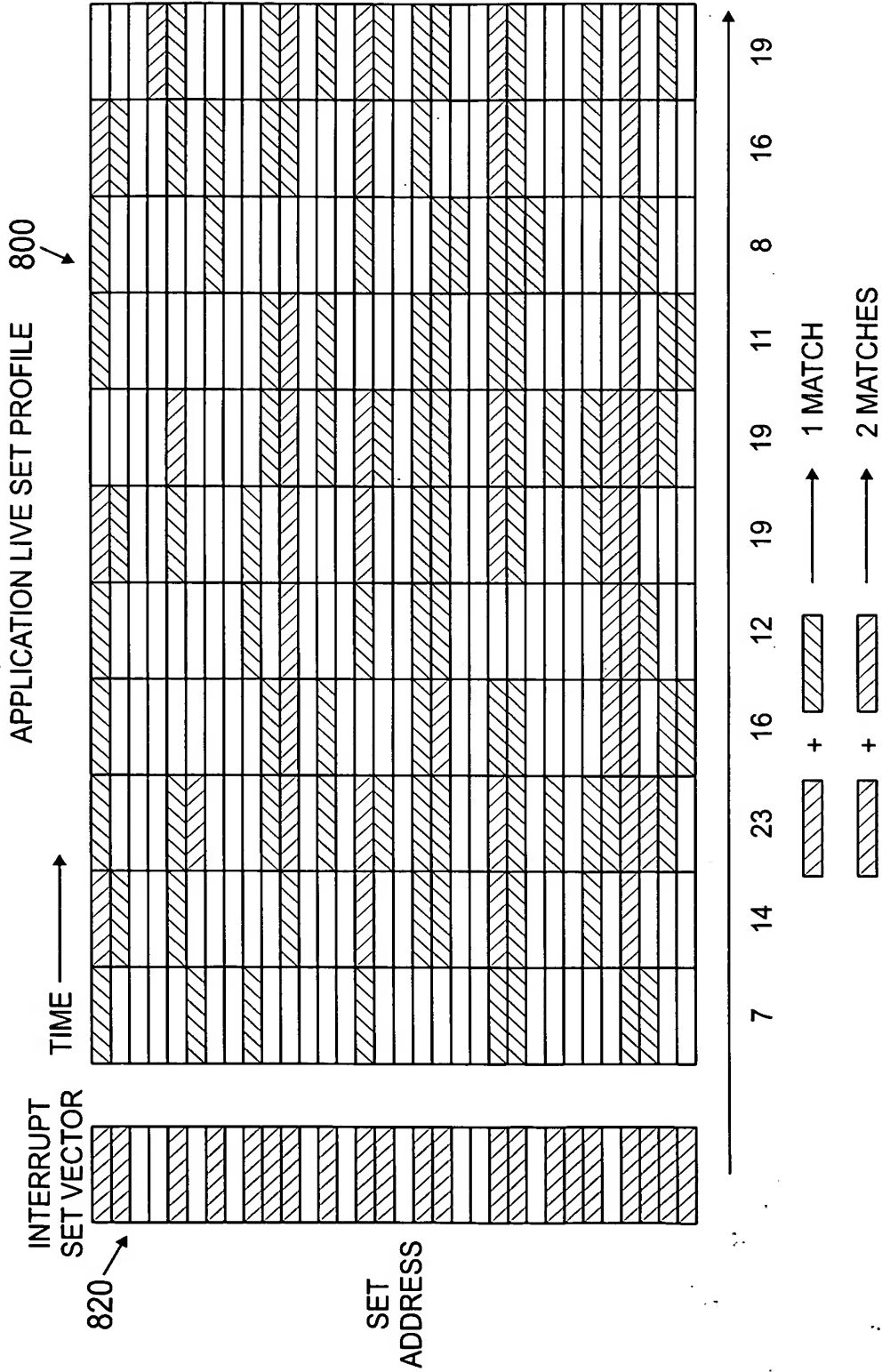


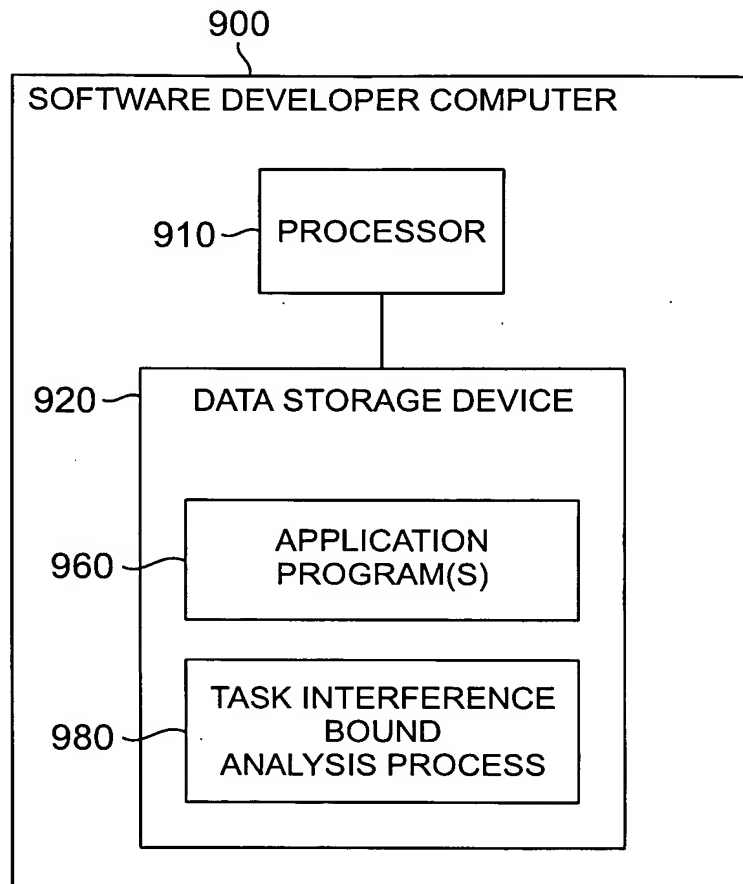
FIG. 7





**SWEEP THE VECTOR ACROSS THE PROFILE TO FIND THE MAXIMUM NUMBER OF MATCHES**

**FIG. 8**



**FIG. 9**